

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> NBU 1022-2K4BS					
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> NATURAL BUTTES					
<b>4. TYPE OF WELL</b> Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> NATURAL BUTTES					
<b>6. NAME OF OPERATOR</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.						<b>7. OPERATOR PHONE</b> 720 929-6515					
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 173779, Denver, CO, 80217						<b>9. OPERATOR E-MAIL</b> julie.jacobson@anadarko.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ST UT ML 22651			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>					
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2097 FSL 752 FWL	NWSW	2	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	1904 FSL 2140 FWL	NESW	2	10.0 S	22.0 E	S
At Total Depth	1904 FSL 2140 FWL	NESW	2	10.0 S	22.0 E	S

<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 718		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 620	
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1169		<b>26. PROPOSED DEPTH</b> MD: 8824 TVD: 8597	
<b>27. ELEVATION - GROUND LEVEL</b> 5052		<b>28. BOND NUMBER</b> 22013542		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-8496	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 2180	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
PROD	7.875	4.5	0 - 8824	11.6	I-80 LT&C	12.5	Premium Lite High Strength	270	3.38	11.0
							50/50 Poz	1220	1.31	14.3

**ATTACHMENTS**

**VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Andy Lytle	<b>TITLE</b> Regulatory Analyst	<b>PHONE</b> 720 929-6100
<b>SIGNATURE</b>	<b>DATE</b> 08/01/2011	<b>EMAIL</b> andrew.lytle@anadarko.com
<b>API NUMBER ASSIGNED</b> 43047517770000	<b>APPROVAL</b>  Permit Manager	

# T10S, R22E, S.L.B.&M.

Found 1977  
Brass Cap in  
Pile of Stones,  
Fence Post.

S89°59'39"E - 2658.67' (Meas.)

S89°57'E - 80.56 (G.L.O.)

S89°58'01"E - 2658.78' (Meas.)

Found 1977  
Brass Cap,  
Steel Post.

NORTH - 40.28 (G.L.O.)  
N00°02'06"W - 2658.04' (Meas.)  
20.275 (G.L.O.)  
20.005 (G.L.O.)

LOT 4

LOT 3

LOT 2

LOT 1

NBU 1022-2K4BS (Surface Position)  
NAD 83 LATITUDE = 39.976463° (39° 58' 35.268")  
LONGITUDE = 109.413995° (109° 24' 50.382")  
NAD 27 LATITUDE = 39.976498° (39° 58' 35.392")  
LONGITUDE = 109.413313° (109° 24' 47.928")

NBU 1022-2K4BS (Bottom Hole)  
NAD 83 LATITUDE = 39.975928° (39° 58' 33.340")  
LONGITUDE = 109.409043° (109° 24' 32.555")  
NAD 27 LATITUDE = 39.975962° (39° 58' 33.464")  
LONGITUDE = 109.408361° (109° 24' 30.101")

20.50 (G.L.O.)  
N00°18'14"W - 2679.29' (Meas.)  
N0°16'W - 40.60 (G.L.O.)  
20.10 (G.L.O.)

Found 1991  
Aluminum Cap  
with Pile of  
Stones.

N0°10'W - 40.06 (G.L.O.)  
2643.82' (Measured)  
N00°11'35"W (Basis of Bearings)

Well Surface  
Position

752'

2140'

Bottom of  
Hole

1904'

**WELL LOCATION:  
NBU 1022-2K4BS**

ELEV. UNGRADED GROUND = 5051.6'

Found 1991  
Aluminum Cap,  
Pile of Stones.

N00°00'47"W - 2623.27' (Meas.)  
N0°01'E - 39.75 (G.L.O.)

Found 1991  
Aluminum Cap,  
Steel Post &  
Pile of Stones.

25.23 (G.L.O.)  
(Measured to Witness Corner)  
N89°55'57"W - 3073.93'

N54°08'E  
13.75 (G.L.O.)  
ALLOTMENT  
No.265  
No.16 ATCHIE  
N30°55'W  
20.40 (G.L.O.)

S30°55'E - 20.40 (G.L.O.)  
W.C. 1/4 N89°59'E  
6.02 (G.L.O.)  
6.05 (G.L.O.)  
W.C. Set Stone

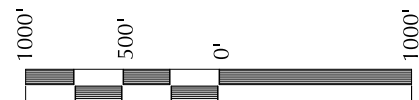
LOT 8

Found 1991 Aluminum  
Cap with Pile of  
Stones. Fence Post  
on SE side of Cap.

## NOTES:

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.  
1 chain = 66 feet.
- The Bottom of hole bears S82°01'52"E - 1401.86' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW 1/4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.



SCALE

## SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR  
REGISTRATION NO. 6028691  
STATE OF UTAH  
1-28-11

**Kerr-McGee Oil & Gas Onshore, LP**  
1099 18th Street - Denver, Colorado 80202

**WELL PAD: NBU 1022-2L**

**NBU 1022-2K4BS  
WELL PLAT**

**1904' FSL, 2140' FWL (Bottom Hole)  
NE 1/4 SW 1/4 OF SECTION 2, T10S, R22E,  
S.L.B.&M., UTAH COUNTY, UTAH.**



**CONSULTING, LLC**  
2155 North Main Street  
Sheridan WY 82801  
Phone 307-674-0609  
Fax 307-674-0182

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 01-10-11	SURVEYED BY: R.Y.	SHEET NO: <b>3</b> 3 OF 18
DATE DRAWN: 01-26-11	DRAWN BY: E.M.S.	
SCALE: 1" = 1000'	Date Last Revised:	